

**CLAIMS**

What is claimed is:

- 1           1.           A television apparatus comprising:  
2               a display control for displaying television signals from first and second  
3           tuners on respective first and second windows; and  
4               a processor for receiving control signals and for instructing the tuners  
5           to change channels on the respective windows, wherein  
6           upon receiving a first control signal, if the first window is not displayed, the  
7           processor displays the first window and selects the first window for channel  
8           changing, and if the first window is displayed when the first control signal is  
9           received, the processor selects a window not currently selected for channel  
10          changing, wherein a channel displayed in the selected window is changed  
11          according to a channel changing control signal received by the television  
12          apparatus.
- 1           2.           The television apparatus of claim 1 wherein the processor  
2               instructs the display control to highlight the selected window.
- 1           3.           The television apparatus of claim 1 wherein the first window  
2               is a picture-in-picture window.
- 1           4.           The television apparatus of claim 3 wherein the first control  
2               signal is a signal generated by pressing a picture-in-picture  
3               key on a remote control.
- 1           5.           The television apparatus of claim 4 wherein the channel  
2               changing control signal is a signal generated by activating a  
3               channel-up key in the remote control.
- 1           6.           The television apparatus of claim 4 wherein the channel  
2               changing control signal is a signal generated by activating a  
3               number key in the remote control.

- 1           7.       The television apparatus of claim 4 wherein the channel  
2                   changing control signal is a signal generated by activating a  
3                   go-back key in the remote control.
- 1           8.       The television apparatus of claim 1 wherein the processor  
2                   selects a window other than the selected window upon  
3                   receiving a second occurrence of the first control signal.
- 1           9.       The television apparatus of claim 1 further comprising a  
2                   display for displaying the windows.
- 1           10.      The television apparatus of claim 1 wherein the windows are  
2                   picture-and-picture windows.
- 1           11.      The television apparatus of claim 1 wherein one of the  
2                   windows is a picture-outside-picture window.
- 1           12.      A method for sharing a channel changing key in a remote  
2                   control for changing channel in a television apparatus  
3                   supporting first and second windows for television signals  
4                   from respective first and second tuners, the method  
5                   comprising the steps of:  
6                   receiving by the television apparatus a first control signal;  
7                   if the first window has not been displayed, displaying the first window  
8                   and selecting the first window for channel changing; and  
9                   if the first window has been displayed, selecting a window not currently  
10                  selected for channel changing.
- 1           13.      The method of claim 12 wherein the first control signal also  
2                   causes the television apparatus to highlight the selected  
3                   window.
- 1           14.      The method of claim 13 wherein the first window is a picture-  
2                   in-picture window.

- 1           15.       The method of claim 13 wherein the first control signal is a  
2                   picture-in-picture key in a remote control for invoking the  
3                   picture-in-picture window.
- 1           16.       The method of claim 12 further comprising the step of  
2                   receiving a second occurrence of the first control signal and  
3                   selecting a window not currently selected for channel  
4                   changing.
- 1           17.       The method of claim 12 further comprising the step of  
2                   receiving a channel changing control signal and changing a  
3                   channel displayed in the selected window according to the  
4                   channel changing control signal.
- 1           18.       The method of claim 17 wherein the channel changing  
2                   control signal is generated by activating a number key in a  
3                   remote control for specifying a channel.
- 1           19.       The method of claim 12 wherein the channel changing  
2                   control signal is generated by activating a go-back key in a  
3                   remote control for going back to a previous channel.